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TITLE: Coloured polymers made by reacting diazonium compounds

PATENT-ASSIGNEE: DAINICHI SEIKA COLOUR & CHEM MFG CO [DAIN]

PRIORITY-DATA:
1966US-0552418 (May 24, 1966)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES
MAIN-IPC			
BE 698813 A		N/A	000
AU 6721837 A		N/A	000
FR 1523820 A		N/A	000
NL 6706274 A		N/A	000

ABSTRACTED-PUB-NO: BE 698813A

BASIC-ABSTRACT:

Polymer dyes and pigments are made by coupling diazonium compounds with addition polymers which contain coupling groups.

The use of polymer coupling agents permits a full colour range of polymer dyes to be produced by the selection of appropriate diazo compounds. The chemical and physical properties of the dyes can be adjusted to suit their end uses, which include dyeing natural and synthetic textiles, spin-dyeing acrylic fibres, and dyeing and colouring rubber, polymethyl methacrylate costing syrups, paper, leather, oil and water paints, ballpoint pen, felt pen and printing inks, laminates, soap and detergent.

Introducing a polymerisable group into a coupling agent which is an aryl compound subst'd. by an OH, (R = Me, Et, NH₂CO-, CH₂COO- or C₆H₅CONH-) or CH₃COCH₂CONH- group, copolymerising the product with an ethylenic monomer to produce a copolymer which may contain self-crosslinking (methylol) groups, and coupling the copolymer with a diazonium compound.

DERWENT-CLASS: A00

CPI-CODES: A08-E03; A09-A02; A10-E; A11-A01; A12-B01; A12-W07;